ELSEVIER

Journal of Organometallic Chemistry 521 (1996) 435–436

Journal of Organometallic Chemistry

Author Index of Volume 521

Abrahams, I., 301
Ando, W., 387
Ansari, M., 51
Antonov, D.A., 109
Antony, A., 125
Asahara, M., 325
Auer, H., 377
Auner, N., 29
Aylett, B.J., 33

Bacqué, E., 99
Bassindale, A.R., 391
Becerra, R., 343
Becker, B., 39
Benfield, R.E., 171
Berlekamp, U.H., 177
Bill, J., 125
Biran, C., 99
Birot, M., 99
Bläser, D., 211
Bock, H., 51
Boese, R., 211
Bouquey, M., 21
Boussaguet, P., 253
Brochon, C., 21
Brook, M.A., 65
Bruzaud, S., 21

Cervantes, J., 267
Claridge, R.F.C., 51
Clarke, M.P., 395
Colborn, R.E., 221
Conqueror, M., 395
Corey, J.Y., 75

Damrauer, R., 93
Davidson, I.M.T., 395
Dioumaev, V.K., 133
Dirnens, V., 235
Dong, J., 221
Dubac, J., 397
Duczmal, W., 245
Du Mont, W.-W., 417
Dunoguès, J., 99

Eaborn, C., 109, 113
Earwaker, L.G., 33
Eichhöfer, A., 125
Evans, P.J., 171

Feher, F.J., 401
Finger, C.M.M., 377
Firman, T.K., 363
Fleming, I., 121
Forcey, K., 33
Frey, H.M., 343
Fritz, G., 125

Gao, Y., 221
Gehrhus, B., 211
Gentle, T., 391
Gerval, P., 99
Giaddui, T., 33
Gross, J., 305
Gspaltl, P., 145
Guliński, J., 245

Hankin, J.A., 93
Harding, I.S., 33
Harrod, J.F., 133
Heinicke, J., 211
Hengge, E., 145
Hitchcock, P.B., 109, 113, 211
Holder, S.J., 171
Hou, X., 305
Huc, V., 253
Hudrlik, P.F., 157

Interrante, L.V., 1
Ishikawa, M., 163
Ito, Y., 405

John, P., 29
Jones, P.G., 305
Jones, R.G., 171
Jutzi, P., 177

Karsch, H.H., 185
Kawachi, A., 325
Kemme, A., 235
Klingebiel, U., 191
Kowaleska, A., 109
Kowalewska, A., 113
Kyushin, S., 413

Laine, R.M., 199
Lambert, J.B., 203
Lambrecht, G., 305
Laporterie, A., 397
Lapouyade, P., 99
Lappert, M.F., 211
Lère-Porte, J.-P., 11
Le Roux, C., 397
Lewis, L.N., 221
Lickiss, P.D., 229
Liu, Q., 1
Liu, X., 203
Locke, J.A.M., 171
Lu, Z.-R., 113
Lucas, R., 229
Lukevics, E., 235

Maciejewska, B., 245
Maciejewski, H., 245
Mangette, J.E., 363
Mao, S.S.H., 425
Marciniec, B., 245
Marsmann, H., 355
Mason, B.P., 343
Matsumoto, H., 409, 413
Mazerolles, P., 253
McCullagh, J.V., 421
Michalczyk, M.J., 261
Mingotaud, A.-F., 21
Minus, D.K., 157
Mix, A., 177
Molla, E., 109
Moreau, J.J.E., 11
Morgan, G.H., 395
Motevalli, M., 301
Müller, L., 417
Müller, L.P., 417
Murugavel, R., 279
Mutschler, E., 305

Nagel, N., 51
Naka, A., 163
Neumann, B., 177
Niesmann, J., 191
Noltemeyer, M., 191

Ohgaki, H., 387
Oike, H., 405
Ojima, I., 421
Okada, T., 163
Olah, G.A., 271

Pannell, K.H., 267
Peidro, L., 397
Penny, H.B., 65
Peters, K., 355
Phillips, S.H., 401
Pillot, J.-P., 99
Pinter, E., 145

Elsevier Science S.A.

Polborn, K., 377
Popelis, J., 235
Powell, D.R., 363
Prakash, G.K.S., 271

Radacki, K., 39
Ramirez-Oliva, E., 267
Rammo, A., 429
Rasul, G., 271
Reichel, D., 305
Richter, R., 185
Ritter, U., 279
Rivera-Claudio, M., 267
Roesky, H.W., 279
Rooney, S.M., 75
Roth, M.J., 65
Rozell, J., 267
Rozenberg, V.I., 109
Rushkin, I., 1

Sakamoto, K., 287
Sakurai, H., 287
Sauvajol, J.-L., 11
Schappacher, M., 21
Scheer, P., 125
Schier, A., 295
Schmidbaur, H., 295
Shah, S.A.A., 301
Sharp, K.G., 261
Shay, W.R., 421
Shen, Q., 1
Shuff, P.H., 405
Simon, C., 301
Simonsick, Jr., W.J., 261
Smith, J.D., 109, 113
Solay, M., 121
Söldner, M., 295
Soum, A., 21
Stammler, H.-G., 177
Stańcyk, W.A., 109
Stańczyk, W.A., 113
Stein, J., 221
Stolwijk, F., 121
Suginome, M., 405
Sullivan, A.C., 301

Tacke, R., 305
Tamao, K., 325
Tanaka, M., 335
Tilley, T.D., 425
Tögel, D., 125

Uchimaru, Y., 335
Unno, M., 409

Veith, M., 429
Voigt, A., 279
Vollbrecht, S., 417
Von Schnering, H.G., 355

Waelbroeck, M., 305
Walsh, R., 343
Weidenbruch, M., 355
Weis, J., 29
West, R., 363
Wiberg, N., 377
Will, P., 355
Witt, E., 185
Wojnowski, W., 39

Yagihashi, Y., 413
Yokota, T., 409
Yoshida, M., 287

Zanin, A., 417
Zhang, C., 199
Ziche, W., 29
Ziemer, B., 29

ELSEVIER

Journal of Organometallic Chemistry 521 (1996) 437–446

Journal of Organometallic Chemistry

Subject Index of Volume 521

Acetylacetonate
Competitive dehydrogenative silylation and hydrogenative dimerization of vinyltriethoxysilane catalyzed by the $[Ni(acac)_2] + PPh_3$ system, intermediate and mechanistic implications (B. Marciniec, H. Maciejewski, J. Guliński, B. Maciejewska and W. Duczmal), 245
Acetylenes
Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267
Acidities
Gas phase studies of silacyclobutanes: recent developments employing triple quadrupole detection (R. Damrauer and J.A. Hankin), 93
Acylsilane
The reactions of phenyldimethylsilyllithium with nitriles (I. Fleming, M. Solay and F. Stolwijk), 121
2-(Alkoxymethyl)phenylsilanes
2-(Alkoxymethyl)phenylsilicon compounds: the search for pentacoordination (A. Mix, U.H. Berlekamp, H.-G. Stammler, B. Neumann and P. Jutzi), 177
Alkoxysilanes
Characterization of polyfunctional alkoxysilanes using potassium (K^+) ionization of desorbed species mass spectrometry (M.J. Michalczyk, W.J. Simonsick, Jr. and K.G. Sharp), 261
Alkyne
Cross-conjugated polymers via condensation of a zirconocene alkynyl(benzyne) derivative generated by thermolysis of $Cp_2ZrMe(C_6H_4C{\equiv}CSiMe_3)$ (S.S.H. Mao and T.D. Tilley), 425
Alkyne insertion
Palladium-catalyzed reactions of 1,1,2,2-tetraethyl- and 1,1,2,2-tetra(isopropyl)-3,4-benzo-1,2-disilacyclobut-3-ene with alkynes (A. Naka, T. Okada and M. Ishikawa), 163
Allylsilanes
Silyl isoxazolines-2: synthesis, structure and properties (E. Lukevics, V. Dirnens, A. Kemme and J. Popelis), 235
Anion radicals
Polymerization of in situ generated disilenes (H. Sakurai, M. Yoshida and K. Sakamoto), 287
Anthracene derivatives
Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51
Arylsilanes
Long-chain alkanes with an internal $-H_2Si-SiH_2-$ linkage (M. Söldner, A. Schier and H. Schmidbaur), 295

β-effect
The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203
Benzene
Cross-conjugated polymers via condensation of a zirconocene alkynyl(benzyne) derivative generated by thermolysis of $Cp_2ZrMe(C_6H_4C{\equiv}CSiMe_3)$ (S.S.H. Mao and T.D. Tilley), 425
3,4-Benzo-1,2-disilacyclobut-3-ene
Palladium-catalyzed reactions of 1,1,2,2-tetraethyl- and 1,1,2,2-tetra(isopropyl)-3,4-benzo-1,2-disilacyclobut-3-ene with alkynes (A. Naka, T. Okada and M. Ishikawa), 163
Bi catalysis
$BiCl_3$-catalyzed Mukaiyama-aldol and carbonyl-ene reactions (L. Peidro, C. Le Roux, A. Laporterie and J. Dubac), 397
Bioorganogermanium chemistry
Pharmacological discrimination between enantiomeric germanes by muscarinic receptors: a study on germanium/silicon bioisosterism (R. Tacke, D. Reichel, P.G. Jones, X. Hou, M. Waelbroeck, J. Gross, E. Mutschler and G. Lambrecht), 305
Bis(amino)dichlorosilanes
Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[\overline{Si\{N(CH_2{}^tBu)\}_2}\text{-}C_6H_4\text{-}1,2]$ and $[(\overline{Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2})(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211
Bis(chlorosilyl)methane
Synthesis of disilylmethanes and polysilacarbosilanes, precursors of silicon carbide-based materials (E. Bacqué, M. Birot, J.-P. Pillot, P. Lapouyade, P. Gerval, C. Biran and J. Dunoguès), 99
Bis(*exo*-methylenecyclopentyl)
New cascade silylcarbocyclization (SiCaC) of enediynes (I. Ojima, J.V. McCullagh and W.R. Shay), 421
Brook rearrangement
The reactions of phenyldimethylsilyllithium with nitriles (I. Fleming, M. Solay and F. Stolwijk), 121
Bulky ligand
A bulky tris(trisilyl)methyl ligand incorporating a donor sulfur atom: some $(Me_3Si)_2(PhSMe_2Si)CSnMe_2X$ compounds (D.A. Antonov, C. Eaborn, J.D. Smith, P.B. Hitchcock, E. Molla, V.I. Rozenberg, W.A. Stańcyk and A. Kowaleska), 109

Carbon monoxide
Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267
Carbonyl
Cobalt deposition in porous silicon by chemical vapour infiltration and deposition; the effects of precursor instability (B.J. Aylett, L.G. Earwaker, K. Forcey, T. Giaddui and I.S. Harding), 33
Carbosilanes
Formation of organosilicon compounds 115 [1]: the applicability as precursors for β-SiC of carbosilanes resulting from the gas phase pyrolysis of methylsilanes (D. Tögel, A. Antony, J. Bill, P. Scheer, A. Eichhöfer and G. Fritz), 125
Carbosilazanes
Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21

Catalysis
A systematic analysis of the structure-reactivity trends for some 'cation-like' early transition metal catalysts for dehydropolymerization of silanes (V.K. Dioumaev and J.F. Harrod), 133
New cascade silylcarbocyclization (SiCaC) of enediynes (I. Ojima, J.V. McCullagh and W.R. Shay), 421
Palladium complex catalyzed Si–Si bond metathesis dimerization of 3,4-benzo-1,2-dimethyl-1,2-diethyl-1,2-disilacyclobut-3-ene and isomerization of the resulting and relevant dimers (Y. Uchimaru and M. Tanaka), 335
The chemistry of fumarate and maleate inhibitors with platinum hydrosilylation catalysts (L.N. Lewis, J. Stein, R.E. Colborn, Y. Gao and J. Dong), 221
Catalyst
Palladium-catalyzed reactions of 1,1,2,2-tetraethyl- and 1,1,2,2-tetra(isopropyl)-3,4-benzo-1,2-disilacyclobut-3-ene with alkynes (A. Naka, T. Okada and M. Ishikawa), 163
Cationic
A systematic analysis of the structure-reactivity trends for some 'cation-like' early transition metal catalysts for dehydropolymerization of silanes (V.K. Dioumaev and J.F. Harrod), 133
Ceramic precursor
Synthesis of disilylmethanes and polysilacarbosilanes, precursors of silicon carbide-based materials (E. Bacqué, M. Birot, J.-P. Pillot, P. Lapouyade, P. Gerval, C. Biran and J. Dunoguès), 99
Ceramic precursors
Poly(silylenemethylenes) — a novel class of organosilicon polymers (L.V. Interrante, Q. Liu, I. Rushkin and Q. Shen), 1
C–H activation
Palladium-catalyzed reactions of 1,1,2,2-tetraethyl- and 1,1,2,2-tetra(isopropyl)-3,4-benzo-1,2-disilacyclobut-3-ene with alkynes (A. Naka, T. Okada and M. Ishikawa), 163
Chemical vapour infiltration and decomposition
Cobalt deposition in porous silicon by chemical vapour infiltration and deposition; the effects of precursor instability (B.J. Aylett, L.G. Earwaker, K. Forcey, T. Giaddui and I.S. Harding), 33
Chloride
Stereospecific insertion of germylene into the vinyl chloride bond (H. Ohgaki and W. Ando), 387
Chlorofluorocarbons
Gas-phase reactions of silicon-centred intermediates with chlorofluorocarbons (M.P. Clarke, M. Conqueror, G.H. Morgan and I.M.T. Davidson), 395
Chloroplatinic acid
Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267
Cobalt
Cobalt deposition in porous silicon by chemical vapour infiltration and deposition; the effects of precursor instability (B.J. Aylett, L.G. Earwaker, K. Forcey, T. Giaddui and I.S. Harding), 33
Conducting polymer
Silyl substitution as an aid in polymerization reactions: oxidative coupling of silylthiophene, a route to highly conjugated polythiophene (J.-P. Lère-Porte, J.J.E. Moreau and J.-L. Sauvajol), 11
Crystal structure
2-(Alkoxymethyl)phenylsilicon compounds: the search for pentacoordination (A. Mix, U.H. Berlekamp, H.-G. Stammler, B. Neumann and P. Jutzi), 177
Addition and cycloaddition reactions of di-*tert*-butyl(di-*tert*-butylphenylsilylimino)silane (J. Niesmann, U. Klingebiel and M. Noltemeyer), 191
Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51
Iodo(methoxydimethylsilyl)bis(trimethylsilyl)methane: a reagent for the preparation of novel organometallic compounds. Crystal structures of $Mg\{C(SiMe_3)_2(SiMe_2OMe)\}_2$ and $MgI_2(OEt_2)_2$ (C. Eaborn, P.B. Hitchcock, A. Kowalewska, Z.-R. Lu, J.D. Smith and W.A. Stańczyk), 113
Penta- and hexacoordinate silicon compounds with phosphorus donors (H.H. Karsch, R. Richter and E. Witt), 185
Silylene and disilene reactions with electron-poor 1,3-dienes: new ring systems and complete degradation of a CF_3 group (M. Weidenbruch, P. Will, K. Peters, H.G. Von Schnering and H. Marsmann), 355
Synthesis and structural characterisation of the novel metallasiloxane compound $[Cp_2^*ZrOSiPh_2OLiOH]_2$ (I. Abrahams, C. Simon, M. Motevalli, S.A.A. Shah and A.C. Sullivan), 301
Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2]$ and $[(Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2)(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363
Zinc silanethiolates: synthesis and properties. Crystal structures of bis(tri-*tert*-butoxysilanethiolato)(acetonitrile)zinc(II) and bis(tri-*tert*-butoxysilanethiolato)(bipyridine)zinc(II) (B. Becker, K. Radacki and W. Wojnowski), 39
Crystal structures
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377
Cycloaddition
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363
Cyclodi(silachalcogenides)
Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2]$ and $[(Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2)(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211
Cyclodisilaselenane
Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2]$ and $[(Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2)(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211
Cyclodisilatellurane
Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2]$ and $[(Si\{N(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2)(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211
Cyclopentadienyl
Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267
Synthesis and structural characterisation of the novel metallasiloxane compound $[Cp_2^*ZrOSiPh_2OLiOH]_2$ (I. Abrahams, C. Simon, M. Motevalli, S.A.A. Shah and A.C. Sullivan), 301
Cyclopentadienyl catalysis
Reactions of symmetrical and unsymmetrical disilanes in the presence of $Cp_2MCl_2/{}^nBuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and S.M. Rooney), 75

Cyclosilanes
Si–H-containing cyclosilanes and their behaviour in the dehydrogenative polymerization reaction (E. Hengge, P. Gspaltl and E. Pinter), 145
Cyclotetrasilanes
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377
Cyclotrisilanes
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377

Deconvolution
A reappraisal of the stereochemistry of polysilylenes formed by the *Wurtz* reductive-coupling reaction (R.G. Jones, R.E. Benfield, P.J. Evans, S.J. Holder and J.A.M. Locke), 171
Defluorination
Silylene and disilene reactions with electron-poor 1,3-dienes: new ring systems and complete degradation of a CF_3 group (M. Weidenbruch, P. Will, K. Peters, H.G. Von Schnering and H. Marsmann), 355
Dehydrogenative polymerization
Si–H-containing cyclosilanes and their behaviour in the dehydrogenative polymerization reaction (E. Hengge, P. Gspaltl and E. Pinter), 145
Dehydrogenative silylation
Competitive dehydrogenative silylation and hydrogenative dimerization of vinyltriethoxysilane catalyzed by the $[Ni(acac)_2] + PPh_3$ system, intermediate and mechanistic implications (B. Marciniec, H. Maciejewski, J. Guliński, B. Maciejewska and W. Duczmal), 245
Dendrimers
Derivatisation of octasilsesquioxane with alcohols and silanols (A.R. Bassindale and T. Gentle), 391
Organogermanium dendrimers (V. Huc, P. Boussaguet and P. Mazerolles), 253
Density functional theory
Density functional theory (DFT)/IGLO ^{29}Si NMR study of trialkylsilylated arenium, bromonium, oxonium and nitrilium ions, comparison with experimental data and the question of persistent trialkylsilicenium ions in solution (G.A. Olah, G. Rasul and G.K.S. Prakash), 271
1,3-Dienes
Silylene and disilene reactions with electron-poor 1,3-dienes: new ring systems and complete degradation of a CF_3 group (M. Weidenbruch, P. Will, K. Peters, H.G. Von Schnering and H. Marsmann), 355
Dihedral dependence
The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203
Dimethyl sulphoxide
Hydrosilane cleavage reactions accelerated by tartaric acid and dimethyl sulphoxide (M.J. Roth, M.A. Brook and H.B. Penny), 65
Dioxaoctasilabishomocubane
Oxaoctasilahomocubane and dioxaoctasilabishomocubane: novel silicon ring systems (M. Unno, T. Yokota and H. Matsumoto), 409
1,2-Disilacyclobutenes
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377
Disilane
Palladium complex catalyzed Si–Si bond metathesis dimerization of 3,4-benzo-1,2-dimethyl-1,2-diethyl-1,2-disilacyclobut-3-ene and isomerization of the resulting and relevant dimers (Y. Uchimaru and M. Tanaka), 335
Time-resolved gas-phase kinetic studies of the reactions of silylene with disilane and trisilane (R. Becerra, H.M. Frey, B.P. Mason and R. Walsh), 343
(8-Dimethylamino-1-naphthyl)disilane
The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325
Disilanes
Long-chain alkanes with an internal $-H_2Si-SiH_2-$ linkage (M. Söldner, A. Schier and H. Schmidbaur), 295
Reactions of symmetrical and unsymmetrical disilanes in the presence of $Cp_2MCl_2/^nBuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and S.M. Rooney), 75
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377
Disilene
Polymerization of in situ generated disilenes (H. Sakurai, M. Yoshida and K. Sakamoto), 287
Silylene and disilene reactions with electron-poor 1,3-dienes: new ring systems and complete degradation of a CF_3 group (M. Weidenbruch, P. Will, K. Peters, H.G. Von Schnering and H. Marsmann), 355
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363
Disilenes
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377
Disilylmethane
Synthesis of disilylmethanes and polysilacarbosilanes, precursors of silicon carbide-based materials (E. Bacqué, M. Birot, J.-P. Pillot, P. Lapouyade, P. Gerval, C. Biran and J. Dunoguès), 99

Endiynes
New cascade silylcarbocyclization (SiCaC) of enediynes (I. Ojima, J.V. McCullagh and W.R. Shay), 421
ENDOR spectra
Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51
Epoxidation
Silsesquioxanes as synthetic platforms. II. Epoxy-functionalized inorganic–organic hybrid species (C. Zhang and R.M. Laine), 199
Epoxide
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363
ESR spectra
Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51
Expoxide coupling agents
Silsesquioxanes as synthetic platforms. II. Epoxy-functionalized inorganic–organic hybrid species (C. Zhang and R.M. Laine), 199

Flash photolysis
Time-resolved gas-phase kinetic studies of the reactions of silylene with disilane and trisilane (R. Becerra, H.M. Frey, B.P. Mason and R. Walsh), 343

Germanium
Double oxidative addition of the Si–Si and Si–Ge bonds onto isonitrile–platinum(0) complexes leading to the formation of tetrakis(organosilyl)- and bis(organogermyl)bis(organosilyl)-platinum(IV) complexes (M. Suginome, H. Oike, P.H. Shuff and Y. Ito), 405
Pharmacological discrimination between enantiomeric germanes by muscarinic receptors: a study on germanium/silicon bioisosterism (R. Tacke, D. Reichel, P.G. Jones, X. Hou, M. Waelbroeck, J. Gross, E. Mutschler and G. Lambrecht), 305
Stereospecific insertion of germylene into the vinyl chloride bond (H. Ohgaki and W. Ando), 387
Germylene
Stereospecific insertion of germylene into the vinyl chloride bond (H. Ohgaki and W. Ando), 387
Ge/Si bioisosterism
Pharmacological discrimination between enantiomeric germanes by muscarinic receptors: a study on germanium/silicon bioisosterism (R. Tacke, D. Reichel, P.G. Jones, X. Hou, M. Waelbroeck, J. Gross, E. Mutschler and G. Lambrecht), 305
Grignard reagent
Iodo(methoxydimethylsilyl)bis(trimethylsilyl)methane: a reagent for the preparation of novel organometallic compounds. Crystal structures of $\overline{Mg\{C(SiMe_3)_2(SiMe_2OMe)\}}_2$ and $MgI_2(OEt_2)_2$ (C. Eaborn, P.B. Hitchcock, A. Kowalewska, Z.-R. Lu, J.D. Smith and W.A. Stańczyk), 113
Group 4
A systematic analysis of the structure-reactivity trends for some 'cation-like' early transition metal catalysts for dehydropolymerization of silanes (V.K. Dioumaev and J.F. Harrod), 133
Group 14
Extension of the Benkeser reaction to the reductive trichlorosilylation of main group element chlorides (W.-W. Du Mont, L.P. Müller, L. Müller, S. Vollbrecht and A. Zanin), 417
Infrared and ^{29}Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols (A. Voigt, R. Murugavel, U. Ritter and H.W. Roesky), 279
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363
Group 15
Extension of the Benkeser reaction to the reductive trichlorosilylation of main group element chlorides (W.-W. Du Mont, L.P. Müller, L. Müller, S. Vollbrecht and A. Zanin), 417

Hafnium
Reactions of symmetrical and unsymmetrical disilanes in the presence of $Cp_2MCl_2/^nBuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and S.M. Rooney), 75
Si–H-containing cyclosilanes and their behaviour in the dehydrogenative polymerization reaction (E. Hengge, P. Gspaltl and E. Pinter), 145
Hexacoordination
Penta- and hexacoordinate silicon compounds with phosphorus donors (H.H. Karsch, R. Richter and E. Witt), 185
Hf–Si compounds
Si–H-containing cyclosilanes and their behaviour in the dehydrogenative polymerization reaction (E. Hengge, P. Gspaltl and E. Pinter), 145

Hydrodisilanes
The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325
Hydrogenative dimerization of vinylsilanes
Competitive dehydrogenative silylation and hydrogenative dimerization of vinyltriethoxysilane catalyzed by the $[Ni(acac)_2] + PPh_3$ system, intermediate and mechanistic implications (B. Marciniec, H. Maciejewski, J. Guliński, B. Maciejewska and W. Duczmal), 245
Hydrogermylation
Organogermanium dendrimers (V. Huc, P. Boussaguet and P. Mazerolles), 253
Hydrosilanes
Hydrosilane cleavage reactions accelerated by tartaric acid and dimethyl sulphoxide (M.J. Roth, M.A. Brook and H.B. Penny), 65
Hydrosilation
The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325
Hydrosilylation
Derivatisation of octasilsesquioxane with alcohols and silanols (A.R. Bassindale and T. Gentle), 391
Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267
The chemistry of fumarate and maleate inhibitors with platinum hydrosilylation catalysts (L.N. Lewis, J. Stein, R.E. Colborn, Y. Gao and J. Dong), 221
Hydrozirconation
Organogermanium dendrimers (V. Huc, P. Boussaguet and P. Mazerolles), 253
Hyperconjugation
The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203
Hypercoordination
Synthesis and structure of 1,6-diaza-2,2-dimethoxy-2-silacyclooctane (W. Ziche, B. Ziemer, P. John, J. Weis and N. Auner), 29

Iminosilanes
Addition and cycloaddition reactions of di-*tert*-butyl(di-*tert*-butylphenylsilylimino)silane (J. Niesmann, U. Klingebiel and M. Noltemeyer), 191
Induction
The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203
Inhibitors
The chemistry of fumarate and maleate inhibitors with platinum hydrosilylation catalysts (L.N. Lewis, J. Stein, R.E. Colborn, Y. Gao and J. Dong), 221
Insertion reactions
Stereospecific insertion of germylene into the vinyl chloride bond (H. Ohgaki and W. Ando), 387
Interaction of an alcohol group with silicon
Synthese und Struktur eines neuartigen molekularen λ^5-Organospirosilikats und dessen dynamisches Verhalten in Lösung (M. Veith und A. Rammo), 429

Iron
Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267
IR spectra
Infrared and ^{29}Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols (A. Voigt, R. Murugavel, U. Ritter and H.W. Roesky), 279
Isocyanide
Double oxidative addition of the Si–Si and Si–Ge bonds onto isonitrile–platinum(0) complexes leading to the formation of tetrakis(organosilyl)- and bis(organogermyl)bis(organosilyl)-platinum(IV) complexes (M. Suginome, H. Oike, P.H. Shuff and Y. Ito), 405
syn–anti Isomerization
Kinetic study on thermal syn–anti isomerization of dodecaisopropyltricyclo[4.2.0.0^{2,5}]octasilane (S. Kyushin, Y. Yagihashi and H. Matsumoto), 413
Isoxazolines
Silyl isoxazolines-2: synthesis, structure and properties (E. Lukevics, V. Dirnens, A. Kemme and J. Popelis), 235

Kinetics
Gas-phase reactions of silicon-centred intermediates with chlorofluorocarbons (M.P. Clarke, M. Conqueror, G.H. Morgan and I.M.T. Davidson), 395
Hydrosilane cleavage reactions accelerated by tartaric acid and dimethyl sulphoxide (M.J. Roth, M.A. Brook and H.B. Penny), 65
Kinetic study on thermal syn–anti isomerization of dodecaisopropyltricyclo[4.2.0.0^{2,5}]octasilane (S. Kyushin, Y. Yagihashi and H. Matsumoto), 413
Time-resolved gas-phase kinetic studies of the reactions of silylene with disilane and trisilane (R. Becerra, H.M. Frey, B.P. Mason and R. Walsh), 343

Ladder polysilane
Kinetic study on thermal syn–anti isomerization of dodecaisopropyltricyclo[4.2.0.0^{2,5}]octasilane (S. Kyushin, Y. Yagihashi and H. Matsumoto), 413
Lithium
A bulky tris(trisilyl)methyl ligand incorporating a donor sulfur atom: some $(Me_3Si)_2(PhSMe_2Si)CSnMe_2X$ compounds (D.A. Antonov, C. Eaborn, J.D. Smith, P.B. Hitchcock, E. Molla, V.I. Rozenberg, W.A. Stańcyk and A. Kowaleska), 109
Iodo(methoxydimethylsilyl)bis(trimethylsilyl)methane: a reagent for the preparation of novel organometallic compounds. Crystal structures of $\overline{Mg\{C(SiMe_3)_2(SiMe_2OMe)\}}_2$ and $MgI_2(OEt_2)_2$ (C. Eaborn, P.B. Hitchcock, A. Kowalewska, Z.-R. Lu, J.D. Smith and W.A. Stańczyk), 113
The reactions of phenyldimethylsilyllithium with nitriles (I. Fleming, M. Solay and F. Stolwijk), 121

Magnesium
Iodo(methoxydimethylsilyl)bis(trimethylsilyl)methane: a reagent for the preparation of novel organometallic compounds. Crystal structures of $\overline{Mg\{C(SiMe_3)_2(SiMe_2OMe)\}}_2$ and $MgI_2(OEt_2)_2$ (C. Eaborn, P.B. Hitchcock, A. Kowalewska, Z.-R. Lu, J.D. Smith and W.A. Stańczyk), 113
Masked disilene
Polymerization of in situ generated disilenes (H. Sakurai, M. Yoshida and K. Sakamoto), 287
Mass spectrometry
Characterization of polyfunctional alkoxysilanes using potassium (K^+) ionization of desorbed species mass spectrometry (M.J. Michalczyk, W.J. Simonsick, Jr. and K.G. Sharp), 261
Gas phase studies of silacyclobutanes: recent developments employing triple quadrupole detection (R. Damrauer and J.A. Hankin), 93
Mechanism
Time-resolved gas-phase kinetic studies of the reactions of silylene with disilane and trisilane (R. Becerra, H.M. Frey, B.P. Mason and R. Walsh), 343
Metallasiloxane
Synthesis and structural characterisation of the novel metallasiloxane compound $[Cp_2^*ZrOSiPh_2OLiOH]_2$ (I. Abrahams, C. Simon, M. Motevalli, S.A.A. Shah and A.C. Sullivan), 301
Metallasiloxanes
Infrared and ^{29}Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols (A. Voigt, R. Murugavel, U. Ritter and H.W. Roesky), 279
Metallising
Cobalt deposition in porous silicon by chemical vapour infiltration and deposition; the effects of precursor instability (B.J. Aylett, L.G. Earwaker, K. Forcey, T. Giaddui and I.S. Harding), 33
Metallocene
Synthesis and structural characterisation of the novel metallasiloxane compound $[Cp_2^*ZrOSiPh_2OLiOH]_2$ (I. Abrahams, C. Simon, M. Motevalli, S.A.A. Shah and A.C. Sullivan), 301
Metathesis
Palladium complex catalyzed Si–Si bond metathesis dimerization of 3,4-benzo-1,2-dimethyl-1,2-diethyl-1,2-disilacyclobut-3-ene and isomerization of the resulting and relevant dimers (Y. Uchimaru and M. Tanaka), 335
MNDO calculations
Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51
MO calculations
Density functional theory (DFT)/IGLO ^{29}Si NMR study of trialkylsilylated arenium, bromonium, oxonium and nitrilium ions, comparison with experimental data and the question of persistent trialkylsilicenium ions in solution (G.A. Olah, G. Rasul and G.K.S. Prakash), 271
Mukaiyama-aldol reaction
$BiCl_3$-catalyzed Mukaiyama-aldol and carbonyl-ene reactions (L. Peidro, C. Le Roux, A. Laporterie and J. Dubac), 397
Multifunctional silsesquioxane epoxides
Silsesquioxanes as synthetic platforms. II. Epoxy-functionalized inorganic–organic hybrid species (C. Zhang and R.M. Laine), 199
Muscarinic receptor subtypes
Pharmacological discrimination between enantiomeric germanes by muscarinic receptors: a study on germanium/silicon bioisosterism (R. Tacke, D. Reichel, P.G. Jones, X. Hou, M. Waelbroeck, J. Gross, E. Mutschler and G. Lambrecht), 305

Nickel catalyst
The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325
Nitrile oxides
Silyl isoxazolines-2: synthesis, structure and properties (E. Lukevics, V. Dirnens, A. Kemme and J. Popelis), 235
Nitriles
The reactions of phenyldimethylsilyllithium with nitriles (I. Fleming, M. Solay and F. Stolwijk), 121
NMR
Density functional theory (DFT)/IGLO ^{29}Si NMR study of trialkylsilylated arenium, bromonium, oxonium and nitrilium ions, compar-

ison with experimental data and the question of persistent trialkylsilicenium ions in solution (G.A. Olah, G. Rasul and G.K.S. Prakash), 271
NMR spectra
NMR spectra of phenoxysilanes with various silyl groups (P.F. Hudrlik and D.K. Minus), 157
Nuclear magnetic resonance
A reappraisal of the stereochemistry of polysilylenes formed by the *Wurtz* reductive-coupling reaction (R.G. Jones, R.E. Benfield, P.J. Evans, S.J. Holder and J.A.M. Locke), 171
Extension of the Benkeser reaction to the reductive trichlorosilylation of main group element chlorides (W.-W. Du Mont, L.P. Müller, L. Müller, S. Vollbrecht and A. Zanin), 417

Octasilacubane
Oxaoctasilahomocubane and dioxaoctasilabishomocubane: novel silicon ring systems (M. Unno, T. Yokota and H. Matsumoto), 409
Octasilsesquioxane
Derivatisation of octasilsesquioxane with alcohols and silanols (A.R. Bassindale and T. Gentle), 391
Optically active germanes
Pharmacological discrimination between enantiomeric germanes by muscarinic receptors: a study on germanium/silicon bioisosterism (R. Tacke, D. Reichel, P.G. Jones, X. Hou, M. Waelbroeck, J. Gross, E. Mutschler and G. Lambrecht), 305
Organic–inorganic materials
Characterization of polyfunctional alkoxysilanes using potassium (K^+) ionization of desorbed species mass spectrometry (M.J. Michalczyk, W.J. Simonsick, Jr. and K.G. Sharp), 261
Organogermanium
Organogermanium dendrimers (V. Huc, P. Boussaguet and P. Mazerolles), 253
λ^5-Organospirosilicate
Synthese und Struktur eines neuartigen molekularen λ^5-Organospirosilikats und dessen dynamisches Verhalten in Lösung (M. Veith und A. Rammo), 429
Orthogonal geometry
The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203
Oxaoctasilahomocubane
Oxaoctasilahomocubane and dioxaoctasilabishomocubane: novel silicon ring systems (M. Unno, T. Yokota and H. Matsumoto), 409
Oxidation
Hydrosilane cleavage reactions accelerated by tartaric acid and dimethyl sulphoxide (M.J. Roth, M.A. Brook and H.B. Penny), 65
Oxidation of sterically hindered organosilicon hydrides using potassium permanganate (P.D. Lickiss and R. Lucas), 229
Oxidative coupling
Silyl substitution as an aid in polymerization reactions: oxidative coupling of silylthiophene, a route to highly conjugated polythiophene (J.-P. Lère-Porte, J.J.E. Moreau and J.-L. Sauvajol), 11

Palladium
Double oxidative addition of the Si–Si and Si–Ge bonds onto isonitrile–platinum(0) complexes leading to the formation of tetrakis(organosilyl)- and bis(organogermyl)bis(organosilyl)-platinum(IV) complexes (M. Suginome, H. Oike, P.H. Shuff and Y. Ito), 405
Palladium complex catalyzed Si–Si bond metathesis dimerization of 3,4-benzo-1,2-dimethyl-1,2-diethyl-1,2-disilacyclobut-3-ene and isomerization of the resulting and relevant dimers (Y. Uchimaru and M. Tanaka), 335
Palladium-catalyzed reactions of 1,1,2,2-tetraethyl- and 1,1,2,2-tetra(isopropyl)-3,4-benzo-1,2-disilacyclobut-3-ene with alkynes (A. Naka, T. Okada and M. Ishikawa), 163
Pentacoordinate silole
The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325
Pentacoordination
Penta- and hexacoordinate silicon compounds with phosphorus donors (H.H. Karsch, R. Richter and E. Witt), 185
Permanganate
Oxidation of sterically hindered organosilicon hydrides using potassium permanganate (P.D. Lickiss and R. Lucas), 229
Phenoxysilanes
NMR spectra of phenoxysilanes with various silyl groups (P.F. Hudrlik and D.K. Minus), 157
Phosphinomethanides
Penta- and hexacoordinate silicon compounds with phosphorus donors (H.H. Karsch, R. Richter and E. Witt), 185
Photo-oxidation
Oxaoctasilahomocubane and dioxaoctasilabishomocubane: novel silicon ring systems (M. Unno, T. Yokota and H. Matsumoto), 409
Platinum
Double oxidative addition of the Si–Si and Si–Ge bonds onto isonitrile–platinum(0) complexes leading to the formation of tetrakis(organosilyl)- and bis(organogermyl)bis(organosilyl)-platinum(IV) complexes (M. Suginome, H. Oike, P.H. Shuff and Y. Ito), 405
The chemistry of fumarate and maleate inhibitors with platinum hydrosilylation catalysts (L.N. Lewis, J. Stein, R.E. Colborn, Y. Gao and J. Dong), 221
Polycarbosilane
Synthesis of disilylmethanes and polysilacarbosilanes, precursors of silicon carbide-based materials (E. Bacqué, M. Birot, J.-P. Pillot, P. Lapouyade, P. Gerval, C. Biran and J. Dunoguès), 99
Polycyclosilanes
Si–H-containing cyclosilanes and their behaviour in the dehydrogenative polymerization reaction (E. Hengge, P. Gspaltl and E. Pinter), 145
Polymerization
Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21
Polymers
Cross-conjugated polymers via condensation of a zirconocene alkynyl(benzyne) derivative generated by thermolysis of $Cp_2ZrMe(C_6H_4C{\equiv}CSiMe_3)$ (S.S.H. Mao and T.D. Tilley), 425
Polysilacarbosilane
Synthesis of disilylmethanes and polysilacarbosilanes, precursors of silicon carbide-based materials (E. Bacqué, M. Birot, J.-P. Pillot, P. Lapouyade, P. Gerval, C. Biran and J. Dunoguès), 99
Polysilanes
A systematic analysis of the structure-reactivity trends for some 'cation-like' early transition metal catalysts for dehydropolymerization of silanes (V.K. Dioumaev and J.F. Harrod), 133
Polymerization of in situ generated disilenes (H. Sakurai, M. Yoshida and K. Sakamoto), 287
Polysilazanes
Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21
Polysiloxazanes
Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21

Poly(silylenemethylenes)
Poly(silylenemethylenes) — a novel class of organosilicon polymers (L.V. Interrante, Q. Liu, I. Rushkin and Q. Shen), 1
Polysilylenes
A reappraisal of the stereochemistry of polysilylenes formed by the *Wurtz* reductive-coupling reaction (R.G. Jones, R.E. Benfield, P.J. Evans, S.J. Holder and J.A.M. Locke), 171
Polymerization of in situ generated disilenes (H. Sakurai, M. Yoshida and K. Sakamoto), 287
Polythiophene
Silyl substitution as an aid in polymerization reactions: oxidative coupling of silylthiophene, a route to highly conjugated polythiophene (J.-P. Lère-Porte, J.J.E. Moreau and J.-L. Sauvajol), 11
Porous
Cobalt deposition in porous silicon by chemical vapour infiltration and deposition; the effects of precursor instability (B.J. Aylett, L.G. Earwaker, K. Forcey, T. Giaddui and I.S. Harding), 33
Potassium ionization of desorbed species mass spectrometry
Characterization of polyfunctional alkoxysilanes using potassium (K^+) ionization of desorbed species mass spectrometry (M.J. Michalczyk, W.J. Simonsick, Jr. and K.G. Sharp), 261
Pyrolysis
Formation of organosilicon compounds 115 [1]: the applicability as precursors for β-SiC of carbosilanes resulting from the gas phase pyrolysis of methylsilanes (D. Tögel, A. Antony, J. Bill, P. Scheer, A. Eichhöfer and G. Fritz), 125
Gas-phase reactions of silicon-centred intermediates with chlorofluorocarbons (M.P. Clarke, M. Conqueror, G.H. Morgan and I.M.T. Davidson), 395

Radical
Gas-phase reactions of silicon-centred intermediates with chlorofluorocarbons (M.P. Clarke, M. Conqueror, G.H. Morgan and I.M.T. Davidson), 395
Radical anion
Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51
Reactions
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377
Rearrangement
Palladium complex catalyzed Si–Si bond metathesis dimerization of 3,4-benzo-1,2-dimethyl-1,2-diethyl-1,2-disilacyclobut-3-ene and isomerization of the resulting and relevant dimers (Y. Uchimaru and M. Tanaka), 335
Reductive silylation
Extension of the Benkeser reaction to the reductive trichlorosilylation of main group element chlorides (W.-W. Du Mont, L.P. Müller, L. Müller, S. Vollbrecht and A. Zanin), 417
Rhodium
New cascade silylcarbocyclization (SiCaC) of enediynes (I. Ojima, J.V. McCullagh and W.R. Shay), 421

Si–C cleavage
Long-chain alkanes with an internal $-H_2Si-SiH_2-$ linkage (M. Söldner, A. Schier and H. Schmidbaur), 295
Silaalkanes
Long-chain alkanes with an internal $-H_2Si-SiH_2-$ linkage (M. Söldner, A. Schier and H. Schmidbaur), 295
Silacyclobutanes
Gas phase studies of silacyclobutanes: recent developments employing triple quadrupole detection (R. Damrauer and J.A. Hankin), 93
Silane
Competitive dehydrogenative silylation and hydrogenative dimerization of vinyltriethoxysilane catalyzed by the $[Ni(acac)_2] + PPh_3$ system, intermediate and mechanistic implications (B. Marciniec, H. Maciejewski, J. Guliński, B. Maciejewska and W. Duczmal), 245
Silanes
Long-chain alkanes with an internal $-H_2Si-SiH_2-$ linkage (M. Söldner, A. Schier and H. Schmidbaur), 295
Oxidation of sterically hindered organosilicon hydrides using potassium permanganate (P.D. Lickiss and R. Lucas), 229
Silanethiolates
Zinc silanethiolates: synthesis and properties. Crystal structures of bis(tri-*tert*-butoxysilanethiolato)(acetonitrile)zinc(II) and bis(tri-*tert*-butoxysilanethiolato)(bipyridine)zinc(II) (B. Becker, K. Radacki and W. Wojnowski), 39
Silanetriols
Infrared and ^{29}Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols (A. Voigt, R. Murugavel, U. Ritter and H.W. Roesky), 279
Silanol
Reactions of an incompletely-condensed silsesquioxane with Ph_3PCH_2: a new procedure for derivatizing silsesquioxanes with important implications for the chemistry of silica surfaces (F.J. Feher and S.H. Phillips), 401
Silatrane
Silyl isoxazolines-2: synthesis, structure and properties (E. Lukevics, V. Dirnens, A. Kemme and J. Popelis), 235
Synthesis and structure of 1,6-diaza-2,2-dimethoxy-2-silacyclooctane (W. Ziche, B. Ziemer, P. John, J. Weis and N. Auner), 29
Silazanes
Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21
Silicenium ions
Density functional theory (DFT)/IGLO ^{29}Si NMR study of trialkylsilylated arenium, bromonium, oxonium and nitrilium ions, comparison with experimental data and the question of persistent trialkylsilicenium ions in solution (G.A. Olah, G. Rasul and G.K.S. Prakash), 271
Silicon
2-(Alkoxymethyl)phenylsilicon compounds: the search for pentacoordination (A. Mix, U.H. Berlekamp, H.-G. Stammler, B. Neumann and P. Jutzi), 177
A bulky tris(trisilyl)methyl ligand incorporating a donor sulfur atom: some $(Me_3Si)_2(PhSMe_2Si)CSnMe_2X$ compounds (D.A. Antonov, C. Eaborn, J.D. Smith, P.B. Hitchcock, E. Molla, V.I. Rozenberg, W.A. Stańcyk and A. Kowaleska), 109
A reappraisal of the stereochemistry of polysilylenes formed by the *Wurtz* reductive-coupling reaction (R.G. Jones, R.E. Benfield, P.J. Evans, S.J. Holder and J.A.M. Locke), 171
A systematic analysis of the structure-reactivity trends for some 'cation-like' early transition metal catalysts for dehydropolymerization of silanes (V.K. Dioumaev and J.F. Harrod), 133
Addition and cycloaddition reactions of di-*tert*-butyl(di-*tert*-butylphenylsilylimino)silane (J. Niesmann, U. Klingebiel and M. Noltemeyer), 191
Characterization of polyfunctional alkoxysilanes using potassium (K^+) ionization of desorbed species mass spectrometry (M.J. Michalczyk, W.J. Simonsick, Jr. and K.G. Sharp), 261
Cobalt deposition in porous silicon by chemical vapour infiltration and deposition; the effects of precursor instability (B.J. Aylett, L.G. Earwaker, K. Forcey, T. Giaddui and I.S. Harding), 33

Competitive dehydrogenative silylation and hydrogenative dimerization of vinyltriethoxysilane catalyzed by the $[Ni(acac)_2] + PPh_3$ system, intermediate and mechanistic implications (B. Marciniec, H. Maciejewski, J. Guliński, B. Maciejewska and W. Duczmal), 245

Cross-conjugated polymers via condensation of a zirconocene alkynyl(benzyne) derivative generated by thermolysis of $Cp_2ZrMe(C_6H_4C{\equiv}CSiMe_3)$ (S.S.H. Mao and T.D. Tilley), 425

Density functional theory (DFT)/IGLO ^{29}Si NMR study of trialkylsilylated arenium, bromonium, oxonium and nitrilium ions, comparison with experimental data and the question of persistent trialkylsilicenium ions in solution (G.A. Olah, G. Rasul and G.K.S. Prakash), 271

Derivatisation of octasilsesquioxane with alcohols and silanols (A.R. Bassindale and T. Gentle), 391

Double oxidative addition of the Si–Si and Si–Ge bonds onto isonitrile–platinum(0) complexes leading to the formation of tetrakis(organosilyl)- and bis(organogermyl)bis(organosilyl)-platinum(IV) complexes (M. Suginome, H. Oike, P.H. Shuff and Y. Ito), 405

Formation of organosilicon compounds 115 [1]: the applicability as precursors for β-SiC of carbosilanes resulting from the gas phase pyrolysis of methylsilanes (D. Tögel, A. Antony, J. Bill, P. Scheer, A. Eichhöfer and G. Fritz), 125

Gas phase studies of silacyclobutanes: recent developments employing triple quadrupole detection (R. Damrauer and J.A. Hankin), 93

Hydrosilane cleavage reactions accelerated by tartaric acid and dimethyl sulphoxide (M.J. Roth, M.A. Brook and H.B. Penny), 65

Hydrosilylation of acetylenes using a H_2PtCl_6/CO catalytic system; significantly enhanced yields of α-products (M. Rivera-Claudio, J. Rozell, E. Ramirez-Oliva, J. Cervantes and K.H. Pannell), 267

Infrared and ^{29}Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols (A. Voigt, R. Murugavel, U. Ritter and H.W. Roesky), 279

Interactions in crystals. CX. The structure of 9,10-bis(diisopropylsilyl)anthracene and of its "naked" radical anion (H. Bock, M. Ansari, N. Nagel and R.F.C. Claridge), 51

Iodo(methoxydimethylsilyl)bis(trimethylsilyl)methane: a reagent for the preparation of novel organometallic compounds. Crystal structures of $\overbrace{Mg\{C(SiMe_3)_2(SiMe_2\dot{O}Me)\}}_2$ and $MgI_2(OEt_2)_2$ (C. Eaborn, P.B. Hitchcock, A. Kowalewska, Z.-R. Lu, J.D. Smith and W.A. Stańczyk), 113

Kinetic study on thermal syn–anti isomerization of dodecaisopropyltricyclo[4.2.0.0^{2,5}]octasilane (S. Kyushin, Y. Yagihashi and H. Matsumoto), 413

New cascade silylcarbocyclization (SiCaC) of enediynes (I. Ojima, J.V. McCullagh and W.R. Shay), 421

NMR spectra of phenoxysilanes with various silyl groups (P.F. Hudrlik and D.K. Minus), 157

Oxaoctasilahomocubane and dioxaoctasilabishomocubane: novel silicon ring systems (M. Unno, T. Yokota and H. Matsumoto), 409

Palladium complex catalyzed Si–Si bond metathesis dimerization of 3,4-benzo-1,2-dimethyl-1,2-diethyl-1,2-disilacyclobut-3-ene and isomerization of the resulting and relevant dimers (Y. Uchimaru and M. Tanaka), 335

Palladium-catalyzed reactions of 1,1,2,2-tetraethyl- and 1,1,2,2-tetra(isopropyl)-3,4-benzo-1,2-disilacyclobut-3-ene with alkynes (A. Naka, T. Okada and M. Ishikawa), 163

Penta- and hexacoordinate silicon compounds with phosphorus donors (H.H. Karsch, R. Richter and E. Witt), 185

Pharmacological discrimination between enantiomeric germanes by muscarinic receptors: a study on germanium/silicon bioisosterism (R. Tacke, D. Reichel, P.G. Jones, X. Hou, M. Waelbroeck, J. Gross, E. Mutschler and G. Lambrecht), 305

Polymerization of in situ generated disilenes (H. Sakurai, M. Yoshida and K. Sakamoto), 287

Reactions of an incompletely-condensed silsesquioxane with Ph_3PCH_2: a new procedure for derivatizing silsesquioxanes with important implications for the chemistry of silica surfaces (F.J. Feher and S.H. Phillips), 401

Reactions of symmetrical and unsymmetrical disilanes in the presence of $Cp_2MCl_2/^nBuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and S.M. Rooney), 75

Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21

Si–H-containing cyclosilanes and their behaviour in the dehydrogenative polymerization reaction (E. Hengge, P. Gspaltl and E. Pinter), 145

Silsesquioxanes as synthetic platforms. II. Epoxy-functionalized inorganic–organic hybrid species (C. Zhang and R.M. Laine), 199

Silyl isoxazolines-2: synthesis, structure and properties (E. Lukevics, V. Dirnens, A. Kemme and J. Popelis), 235

Silyl substitution as an aid in polymerization reactions: oxidative coupling of silylthiophene, a route to highly conjugated polythiophene (J.-P. Lère-Porte, J.J.E. Moreau and J.-L. Sauvajol), 11

Silylene and disilene reactions with electron-poor 1,3-dienes: new ring systems and complete degradation of a CF_3 group (M. Weidenbruch, P. Will, K. Peters, H.G. Von Schnering and H. Marsmann), 355

Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377

Synthesis and structural characterisation of the novel metallasiloxane compound $[Cp_2^* ZrOSiPh_2OLiOH]_2$ (I. Abrahams, C. Simon, M. Motevalli, S.A.A. Shah and A.C. Sullivan), 301

Synthesis and structure of 1,6-diaza-2,2-dimethoxy-2-silacyclooctane (W. Ziche, B. Ziemer, P. John, J. Weis and N. Auner), 29

Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[\overbrace{Si\{N(CH_2{}^tBu)\}_2}\text{-}C_6H_4\text{-}1,2]$ and $[(\overbrace{Si\{N(CH_2{}^tBu)\}_2}C_6H_4\text{-}1,2)(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211

The chemistry of fumarate and maleate inhibitors with platinum hydrosilylation catalysts (L.N. Lewis, J. Stein, R.E. Colborn, Y. Gao and J. Dong), 221

The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325

The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203

The reactions of phenyldimethylsilyllithium with nitriles (I. Fleming, M. Solay and F. Stolwijk), 121

Zinc silanethiolates: synthesis and properties. Crystal structures of bis(tri-*tert*-butoxysilanethiolato)(acetonitrile)zinc(II) and bis(tri-*tert*-butoxysilanethiolato)(bipyridine)zinc(II) (B. Becker, K. Radacki and W. Wojnowski), 39

Silicon carbide

Poly(silylenemethylenes) — a novel class of organosilicon polymers (L.V. Interrante, Q. Liu, I. Rushkin and Q. Shen), 1

Synthesis of disilylmethanes and polysilacarbosilanes, precursors of silicon carbide-based materials (E. Bacqué, M. Birot, J.-P. Pillot, P. Lapouyade, P. Gerval, C. Biran and J. Dunoguès), 99

β-Silicon carbide
Formation of organosilicon compounds 115 [1]: the applicability as precursors for β-SiC of carbosilanes resulting from the gas phase pyrolysis of methylsilanes (D. Tögel, A. Antony, J. Bill, P. Scheer, A. Eichhöfer and G. Fritz), 125

Silicon hydrides
Oxidation of sterically hindered organosilicon hydrides using potassium permanganate (P.D. Lickiss and R. Lucas), 229

Siliconium ion
2-(Alkoxymethyl)phenylsilicon compounds: the search for pentacoordination (A. Mix, U.H. Berlekamp, H.-G. Stammler, B. Neumann and P. Jutzi), 177

Silicon oxycarbide
Poly(silylenemethylenes) — a novel class of organosilicon polymers (L.V. Interrante, Q. Liu, I. Rushkin and Q. Shen), 1

Siloxazanes
Ring-opening polymerization of nitrogen-containing cyclic organosilicon monomers (M. Bouquey, C. Brochon, S. Bruzaud, A.-F. Mingotaud, M. Schappacher and A. Soum), 21

Silsesquioxanes
Reactions of an incompletely-condensed silsesquioxane with Ph_3PCH_2: a new procedure for derivatizing silsesquioxanes with important implications for the chemistry of silica surfaces (F.J. Feher and S.H. Phillips), 401

Silyl
Gas-phase reactions of silicon-centred intermediates with chlorofluorocarbons (M.P. Clarke, M. Conqueror, G.H. Morgan and I.M.T. Davidson), 395

Silylcarbocyclization
New cascade silylcarbocyclization (SiCaC) of enediynes (I. Ojima, J.V. McCullagh and W.R. Shay), 421

Silylene
Gas-phase reactions of silicon-centred intermediates with chlorofluorocarbons (M.P. Clarke, M. Conqueror, G.H. Morgan and I.M.T. Davidson), 395

Silylene and disilene reactions with electron-poor 1,3-dienes: new ring systems and complete degradation of a CF_3 group (M. Weidenbruch, P. Will, K. Peters, H.G. Von Schnering and H. Marsmann), 355

The differing modes of reaction of 1-(8-dimethylamino-1-naphthyl)-1-hydrodisilane and 1-(1-naphthyl)-1-hydrodisilane in nickel-catalyzed reactions with acetylene: formation of a pseudo-pentacoordinate silole via Si–Si bond cleavage vs. hydrosilation without Si–Si bond cleavage (K. Tamao, M. Asahara and A. Kawachi), 325

Time-resolved gas-phase kinetic studies of the reactions of silylene with disilane and trisilane (R. Becerra, H.M. Frey, B.P. Mason and R. Walsh), 343

Silylenes
Synthesis, structures and oxidative addition reactions of new thermally stable silylenes; crystal structures of $[\overrightarrow{Si}\{\overrightarrow{N}(CH_2{}^tBu)\}_2\text{-}C_6H_4\text{-}1,2]$ and $[(\overrightarrow{Si}\{\overrightarrow{N}(CH_2{}^tBu)\}_2C_6H_4\text{-}1,2)(\mu\text{-}E)]_2$ (E = Se or Te) (B. Gehrhus, P.B. Hitchcock, M.F. Lappert, J. Heinicke, R. Boese and D. Bläser), 211

Silyl enol ether
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363

Silyl phosphine
Extension of the Benkeser reaction to the reductive trichlorosilylation of main group element chlorides (W.-W. Du Mont, L.P. Müller, L. Müller, S. Vollbrecht and A. Zanin), 417

Silyl stannane
Extension of the Benkeser reaction to the reductive trichlorosilylation of main group element chlorides (W.-W. Du Mont, L.P. Müller, L. Müller, S. Vollbrecht and A. Zanin), 417

Silylthiophene
Silyl substitution as an aid in polymerization reactions: oxidative coupling of silylthiophene, a route to highly conjugated polythiophene (J.-P. Lère-Porte, J.J.E. Moreau and J.-L. Sauvajol), 11

^{29}Si NMR spectra
Infrared and ^{29}Si NMR spectroscopic investigations on metallasiloxanes derived from organosilanetriols (A. Voigt, R. Murugavel, U. Ritter and H.W. Roesky), 279

Si-pentacoordination
2-(Alkoxymethyl)phenylsilicon compounds: the search for pentacoordination (A. Mix, U.H. Berlekamp, H.-G. Stammler, B. Neumann and P. Jutzi), 177

Si–Si coupling
Long-chain alkanes with an internal $-H_2Si-SiH_2-$ linkage (M. Söldner, A. Schier and H. Schmidbaur), 295

Sol–gel
Characterization of polyfunctional alkoxysilanes using potassium (K^+) ionization of desorbed species mass spectrometry (M.J. Michalczyk, W.J. Simonsick, Jr. and K.G. Sharp), 261

Stereochemistry
A reappraisal of the stereochemistry of polysilylenes formed by the *Wurtz* reductive-coupling reaction (R.G. Jones, R.E. Benfield, P.J. Evans, S.J. Holder and J.A.M. Locke), 171

Steric effects
The reactivity of tetramesityldisilene with epoxides: dependence of product distributions on steric and structural characteristics of the epoxide (J.E. Mangette, D.R. Powell, T.K. Firman and R. West), 363

Supersilyl
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377

Synthesis
Organogermanium dendrimers (V. Huc, P. Boussaguet and P. Mazerolles), 253

Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377

Tartaric acid
Hydrosilane cleavage reactions accelerated by tartaric acid and dimethyl sulphoxide (M.J. Roth, M.A. Brook and H.B. Penny), 65

Tetrasilatetrahedrane
Supersilylierte Disilene, Cyclotri-, Cyclotetra- sowie Tetrahedrosilane: Erzeugung, Strukturen, Bildungswege (N. Wiberg, C.M.M. Finger, H. Auer und K. Polborn), 377

Thermolysis
Kinetic study on thermal syn–anti isomerization of dodecaisopropyltricyclo[4.2.0.$0^{2,5}$]octasilane (S. Kyushin, Y. Yagihashi and H. Matsumoto), 413

Tin
A bulky tris(trisilyl)methyl ligand incorporating a donor sulfur atom: some $(Me_3Si)_2(PhSMe_2Si)CSnMe_2X$ compounds (D.A. Antonov, C. Eaborn, J.D. Smith, P.B. Hitchcock, E. Molla, V.I. Rozenberg, W.A. Stańcyk and A. Kowaleska), 109

Titanium
Reactions of symmetrical and unsymmetrical disilanes in the presence of $Cp_2MCl_2/{}^nBuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and S.M. Rooney), 75

1-(Trimethylsilyl)cyclohexa-1,3-diene
The β-effect of silicon in the orthogonal geometry (J.B. Lambert and X. Liu), 203
Triple quadrupole spectrometry
Gas phase studies of silacyclobutanes: recent developments employing triple quadrupole detection (R. Damrauer and J.A. Hankin), 93
Trisilane
Time-resolved gas-phase kinetic studies of the reactions of silylene with disilane and trisilane (R. Becerra, H.M. Frey, B.P. Mason and R. Walsh), 343

Ultrasound
Oxidation of sterically hindered organosilicon hydrides using potassium permanganate (P.D. Lickiss and R. Lucas), 229

Vinyl chlorogermane
Stereospecific insertion of germylene into the vinyl chloride bond (H. Ohgaki and W. Ando), 387
Vinylsilanes
Silyl isoxazolines-2: synthesis, structure and properties (E. Lukevics, V. Dirnens, A. Kemme and J. Popelis), 235
Vinyl silsesquioxanes
Silsesquioxanes as synthetic platforms. II. Epoxy-functionalized inorganic–organic hybrid species (C. Zhang and R.M. Laine), 199

Wurtz reductive-coupling
A reappraisal of the stereochemistry of polysilylenes formed by the *Wurtz* reductive-coupling reaction (R.G. Jones, R.E. Benfield, P.J. Evans, S.J. Holder and J.A.M. Locke), 171

X-ray analysis
Oxaoctasilahomocubane and dioxaoctasilabishomocubane: novel silicon ring systems (M. Unno, T. Yokota and H. Matsumoto), 409

Ylide
Stereospecific insertion of germylene into the vinyl chloride bond (H. Ohgaki and W. Ando), 387

Zinc
Zinc silanethiolates: synthesis and properties. Crystal structures of bis(tri-*tert*-butoxysilanethiolato)(acetonitrile)zinc(II) and bis(tri-*tert*-butoxysilanethiolato)(bipyridine)zinc(II) (B. Becker, K. Radacki and W. Wojnowski), 39
Zirconium
Cross-conjugated polymers via condensation of a zirconocene alkynyl(benzyne) derivative generated by thermolysis of $Cp_2ZrMe(C_6H_4C{\equiv}CSiMe_3)$ (S.S.H. Mao and T.D. Tilley), 425
Reactions of symmetrical and unsymmetrical disilanes in the presence of $Cp_2MCl_2/^nBuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and S.M. Rooney), 75
Synthesis and structural characterisation of the novel metallasiloxane compound $[Cp_2^*ZrOSiPh_2OLiOH]_2$ (I. Abrahams, C. Simon, M. Motevalli, S.A.A. Shah and A.C. Sullivan), 301
Zirconocene
A systematic analysis of the structure-reactivity trends for some 'cation-like' early transition metal catalysts for dehydropolymerization of silanes (V.K. Dioumaev and J.F. Harrod), 133
Cross-conjugated polymers via condensation of a zirconocene alkynyl(benzyne) derivative generated by thermolysis of $Cp_2ZrMe(C_6H_4C{\equiv}CSiMe_3)$ (S.S.H. Mao and T.D. Tilley), 425